

AMPOL AMPLIFY DIESEL HD INJECTOR CLEANER

Going 12% further
on a tank of fuel
thanks to clean
injectors

Road transport keeps Australia moving. And the conditions are unrelenting - extreme weather, uneven road surfaces and long distances to cover. Freight providers expect their vehicles to perform, from trucks to road trains.

We put Ampol's Amplify Diesel HD Injector Cleaner to the test under real-life conditions for a remote Western Australia freight provider, proving its value in reducing fuel consumption by increasing performance.

The Mission

LR Logistics is based in Wangara, Western Australia and provides a 24/7 'Hotshot' emergency freight service to the Pilbara and northern WA. Each Ampol formulation is made to meet the harshest Australian conditions, so the wild north provided the perfect setting to trial Amplify Diesel HD Injector Cleaner in an Isuzu fleet.

New deposit control technology for the cleanest injectors

Ampol Amplify Diesel HD Injector Cleaner concentrate keeps truck engine injectors as clean as possible to optimise performance and efficiency. Ampol Premium Diesel Fuels use the latest deposit control additive technology.

Our mission? To prove the superior performance of this technology. We tested the difference clean injectors made to machine performance and fuel efficiency over six weeks under real road and work conditions.



The Action

The vehicles

LR Logistics tested six modern Isuzu trucks that:

- Were fitted with a high-pressure common rail injection system
- Had an odometer reading over 200,000km
- Were already running on regular (unadditised) diesel, not using any other fuel alternative
- Had not used an injector cleaner

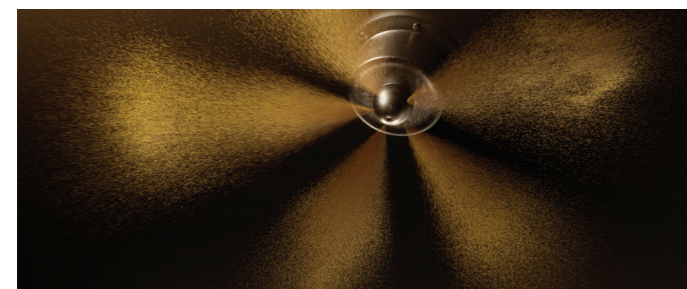
The Trial

We tested these trucks over six weeks on their regular routes from Perth to the Pilbara, with the same six drivers who shared the vehicles.

LR Logistics replaced the fuel filters and inspected the tyres before the trial commenced.

Each truck's 200L fuel tank was dosed with Amplify Diesel HD Injector Cleaner. The trucks continued to use regular (unadditised) Diesel throughout the trial. No oil changes happened during the trial (see Appendix 1).

We gathered baseline data on fuel consumption plus fuel injection compensation. As the trial progressed, we regularly monitored the ongoing fuel consumption and efficiency data. We took readings once the Amplify Diesel HD Injector Cleaner was used and for around 20,000km after.



The Result

After using Amplify Diesel HD Injector Cleaner, the clean injectors showed an improvement of:



up to **12%** fuel efficiency



with an average gain of **8%** across the fleet (see Appendix 2)

The Bottom Line

Clean injectors mean fuel efficiency and improved reliability - and Ampol's Amplify Diesel HD Injector Cleaner is proven to increase fuel efficiency, keeping injectors clean and engines running.

The trial delivered:

- Reduced running costs for every vehicle
- Superior engine performance
- Sustained fleet reliability

"There's no denying Amplify Diesel HD Injector Cleaner works. I'll be rolling it out across my fleet for improved efficiency and reliability."

- LR Logistics

Capturing fuel consumption
Fuel consumption was calculated using the ECU data captured and distributed by the customer.

Note that all the results may vary depending on the engine itself, environmental conditions, and factors like engine load factor and driver behaviour.

Appendix

1. Trial truck details table

NO	MAKE/MODEL	ENGINE SERIAL NUMBER
LR11	ISUZU FRR 110-260	6HK1690529
LR23	ISUZU FRR 110-260	6HK1219135
LR30	ISUZU FRR 600	6HK1606423
LR31	ISUZU FRR 600	6HK1606682
LR33	ISUZU FTR 900	6HK1683263
LR34	ISUZU FVZ	6HK1230301

2. Raw data and calculations

DATE	FUEL CONSUMPTION, (L/100KM)					
	LR11	LR30	LR33	LR23	LR31	LR34
26 FEB	23.4					
3 MAR	20.6	22.6				
5 MAR	20.7	22.6	27.3			
8 MAR	20.7		23.9			
9 MAR		21.9				30.3
10 MAR	20.8		24.9	23.1		
11 MAR		21.8			30.3	
12 MAR	20.6		24.3			
15 MAR		21.8		21.6	27.7	27.7
17 MAR				19.1		
18 MAR		21.7				
19 MAR				20		28.7
22 MAR						28.8
23 MAR			24.3			
26 MAR			24.3	20.7		
29 MAR			24.4	20.6	28.7	
31 MAR					28.8	28.7
2 APR				20.6		
6 APR					28.7	28.7

PARAMETER	LR11	LR30	LR33	LR23	LR31	LR34
Trial Duration, Days	14	15	24	23	26	28
Travelled Distance, km	20650	19838	19976	18539	18525	28252
Average km/day	1475	1323	832	806	713	1009
Difference L/100km	2.8	0.9	2.9	2.5	1.6	1.6
% Fuel Efficiency	12.0%	4.0%	10.6%	10.8%	5.3%	5.3%



Ampol Amplify Diesel HD Injector Cleaner is available in a convenient 1L bottle that will treat fuel tanks between 140-200L. Use every 15,000km to keep your fuel system clean and protected.